

## Postsecondary and Workforce Readiness Description

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By the State Board of Education and the Colorado Commission on Higher Education

### **Description of PWR**

“Postsecondary and workforce readiness” describes the knowledge, skills, and behaviors essential for high school graduates to be prepared to enter college and the workforce and to compete in the global economy.

To be designated as postsecondary and workforce ready, secondary students shall demonstrate that the following content knowledge and learning and behavior skills have been achieved without the need for remedial instruction or training. This demonstration includes the completion of increasingly challenging, engaging, and coherent academic work and experiences, and the achievement of proficiency shown by a body of evidence including postsecondary and workforce readiness assessments and other relevant materials that document a student’s postsecondary and workforce readiness.

### **I. Content Knowledge**

#### **Literacy**

- Read fiction and non-fiction, understanding conclusions reached and points of view expressed
- Write clearly and coherently for a variety of purposes and audiences
- Use logic and rhetoric to analyze and critique ideas
- Access and use primary and secondary sources to explain questions being researched
- Employ standard English language properly and fluently in reading, writing, listening, and speaking

#### **Mathematical Sciences**

- Think critically, analyze evidence, read graphs, understand logical arguments, detect logical fallacies, test conjectures, evaluate risks, and appreciate the role mathematics plays in the modern world, i.e., be quantitatively literate
- Understand and apply algebraic and geometric concepts and techniques
- Use concepts and techniques of probability and statistics
- Apply knowledge of mathematics to problem solve, analyze issues, and make critical decisions that arise in everyday life

#### **Science**

- Think scientifically and apply the scientific method to complex systems and phenomena
- Use theoretical principles within a scientific field and relevant empirical evidence to make and draw conclusions
- Recognize that scientific conclusions are subject to interpretation and can be challenged
- Understand the core scientific concepts, principles, laws, and vocabulary, and how scientific knowledge is extended, refined, and revised over time

## **Social Studies and Social Sciences**

- Identify and describe historical, social, cultural, political, geographical, and economic concepts
- Interpret sources, and evaluate evidence and competing ideas
- Build conceptual frameworks based on an understanding of themes and the overall flow of events
- Understand how government works in the United States and in other countries, the varying roles individuals may play in society, and the nature of civic responsibility
- Interpret information from a global and multicultural perspective

## **The Arts and Humanities**

- Understand and appreciate how the arts and humanities (expressions of culture and identity through language, movement, sound, and visual representation) contribute to and shape culture and our understanding of culture
- Understand how the arts and literature are used as instruments of social and political thought
- Identify leading innovators in the arts and humanities and the contributions they have made to their respective art forms

## **II. Learning and Behavior Skills**

### **Critical Thinking and Problem Solving**

- Apply logical reasoning and analytical skills
- Conduct research using acceptable research methods
- Understand different research approaches
- Collect and analyze quantitative and qualitative data and research
- Evaluate the credibility and relevance of information, ideas, and arguments
- Discern bias, pose questions, marshal evidence, and present solutions

### **Find and Use Information/Information Technology**

- Select, integrate, and apply appropriate technology to access and evaluate new information
- Understand the ethical uses of information
- Provide citations for resources

### **Creativity and Innovation**

- Demonstrate intellectual curiosity
- Generate, evaluate, and implement new ideas and novel approaches
- Develop new connections where none previously existed

## **Global and Cultural Awareness**

- Appreciate the arts, culture, and humanities
- Interact effectively with and respect the diversity of different individuals, groups, and cultures
- Recognize the interdependent nature of our world
- Understand how communicating in another language can improve learning in other disciplines and expand professional, personal, and social opportunities

## **Civic Responsibility**

- Recognize the value of civic engagement and its role in a healthy democracy and civil society
- Be involved in the community and participate in its political life
- Balance personal freedom with the interests of a community

## **Work Ethic**

- Plan and prioritize goals
- Manage time effectively
- Take initiative, and follow through
- Learn from instruction and criticism
- Take responsibility for completion of work
- Act with maturity, civility, and politeness
- Demonstrate flexibility and adaptability

## **Personal Responsibility**

- Balance self-advocacy with the consideration of others
- Possess financial literacy and awareness of consumer economics
- Behave honestly and ethically
- Take responsibility for actions
- Understand the relevance of learning to postsecondary and workforce readiness
- Demonstrate awareness of and evaluate career options
- Attend to personal health and wellness

## **Communication**

- Read, write, listen and speak effectively
- Construct clear, coherent, and persuasive arguments
- Communicate and interact effectively with people who have different primary languages

## **Collaboration**

- Work effectively with others
- Acknowledge authority and take direction
- Cooperate for a common purpose
- Use teamwork and leadership skills effectively